

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 1032.005 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/521 057</div>
INTERNATIONAL APPLICATION NO. PCT/KR2004/000579	INTERNATIONAL FILING DATE 17 March 2004	PRIORITY DATE CLAIMED 16 December 2003
TITLE OF INVENTION Real-Time Knowledge Information Search System Using Wired/Wireless Networks, Method for Searching Knowledge Information in Real Time, and Method for		
APPLICANT(S) FOR DO/EO/US Joon Soo YOUN and Hyun-Duck KIM		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☒ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information:

This collection of information is required by 37 CFR 1.414 and 1.491–1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
10/7521057		PCT/KR2004/000579		1032.005	
21. The following fees are submitted:					
<input checked="" type="checkbox"/>	a) Basic national fee	\$300.00		\$ 300.00	
<input checked="" type="checkbox"/>	b) Examination fee	\$500.00		\$ 500.00	
<input checked="" type="checkbox"/>	c) Search fee	\$200.00		\$ 200.00	
TOTAL OF ABOVE CALCULATIONS =		\$1,000.00		\$1,000.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
18 - 100 =	0 / 50 =	0	x \$250.00	\$ 0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 0.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	21 - 20 =	1	X \$50.00	\$ 50.00	
Independent claims	3 - 3 =	0	X \$200.00	\$ 0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$ 0.00	
TOTAL OF ABOVE CALCULATIONS =				\$1,050.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 525.00	
SUBTOTAL =				\$ 525.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+ \$ 0.00	
TOTAL NATIONAL FEE =				\$ 525.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31): \$40.00 per property				+ \$ 0.00	
TOTAL FEES ENCLOSED =				\$ 525.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ 525.00 to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 50-1170 in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1170. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO: Timothy E. Newholm Boyle Fredrickson Newholm Stein & Gratz S.C. 250 E. Wisconsin Avenue, Suite 1030 Milwaukee, Wisconsin 53202					
SIGNATURE: Timothy E. Newholm NAME					
34400 REGISTRATION NUMBER					



BOYLE  
FREDRICKSON  
NEWHOLM  
STEIN & GRATZ SC

SUITE 1030  
250 EAST WISCONSIN AVENUE  
MILWAUKEE, WI 53202

PHONE: 414.225.9755 FAX: 414.225.9753

E-MAIL: MAIL@BOYLEFRED.COM

INTELLECTUAL PROPERTY LAW

TIMOTHY E. NEWHOLM  
DIRECT DIAL: 414-225-1667  
[TEN@BOYLEFRED.COM](mailto:TEN@BOYLEFRED.COM)

January 12, 2005

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Utility Patent Application Transmittal  
U.S. Patent Application Ser. No. (not assigned)  
National Phase of PCT/KR2004/000579  
Inventors: Youn et al.  
Title: *Real-Time Knowledge Information Search System Using  
Wired/Wireless Networks, Method for Searching Knowledge  
Information in Real Time, and Method for Registering/Managing  
Knowledge Information in Real Time*  
Customer Account No.: **23598**  
Our Ref: 1032.005

Dear Sir:

Enclosed in connection with the above-identified national phase patent application  
are:

- the national phase application, consisting of:
  - 18 pages of specification,
  - 21 claims on 8 sheets, and
  - 5 Drawings on 5 sheets;
- an executed Declaration;
- a Transmittal Letter to the United States Designated/Elected Office (DO/EO/US)  
Concerning a Submission Under 35 U.S.C. 371;
- our check in the amount of **\$525.00** in payment of the government filing fee for  
the patent application; and

- a Preliminary Amendment adding an Abstract. Please enter the Preliminary Amendment before determining the filing fees.

**Documents to Follow:**

**Applicant(s):**

<b><u>Name</u></b>	<b><u>Residence</u></b>
Joon-Soo Youn	Gyeonggi-do, Republic of Korea
Hyun-Duck Kim	Gyeonggi-do, Republic of Korea

**Assignment for Published Application:**

Not applicable.

**Power of Attorney:**

Those attorneys associated with Customer Account No. 23598.

**Small Entity Statement:**

Applicant is a small entity within the meaning of 37 CFR §§ 1.9 and 1.27 and hereby claims small entity status.

**Domestic Priority data as claimed by applicant:**

This application is a 371 of PCT/KR2004/000579; filed 17 March 2004 (17.03.04).

**Foreign Application(s):**

Korean 10-2003-0091815; filed 16 December 2003 (16.12.03)

**Non-Publication Request:**

Not applicable.

**Deposit Account Authorization**

The Director is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1170.

Respectfully submitted,



Timothy E. Newholm  
Registration No. 34,400

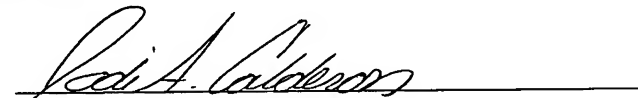
Enclosures

**Certification Under 37 CFR 1.10**

Express Mail Label No: EV339662034US

Date of Deposit: January 12, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Jodi A. Calderon